

**IFWO** 

RAW SEQUENCE LISTING

DATE: 08/26/2004

PATENT APPLICATION: US/10/714,079B

1 <110> APPLICANT: PIROFSKI, LIISE-ANNE

TIME: 14:07:03

Input Set : N:\Crf4\08232004\J714079C.raw Output Set: N:\CRF4\08262004\J714079B.raw

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ZHONG, ZHAOJING
         CHANG, QING
 4 <120> TITLE OF INVENTION: HUMAN ANTIPHEUMOCOCCAL ANTIBODIES FROM NON-HUMAN
 5
         ANIMALS
 6 <130> FILE REFERENCE: ABX-AE1 CON
 7 <140> CURRENT APPLICATION NUMBER: US/10/714,079B
 8 <141> CURRENT FILING DATE: 2003-11-14
 9 <150> PRIOR APPLICATION NUMBER: PCT/US02/18363
0 <151> PRIOR FILING DATE: 2002-05-16
10 <151> PRIOR FILING DATE: 2002-05-16
11 <150> PRIOR APPLICATION NUMBER: 60/291,492
12 <151> PRIOR FILING DATE: 2001-05-16
13 <160> NUMBER OF SEQ ID NOS: 21
14 <170> SOFTWARE: PatentIn Ver. 2.1
16 <210> SEQ ID NO: 1
17 <211> LENGTH: 462
18 <212> TYPE: DNA
19 <213> ORGANISM: Homo sapiens
20 <400> SEQUENCE: 1
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22
         cagctgttgg agtctgggg aggcttggta cagcctgggg ggtccctgag actctcctgt 120
23
         gcagcetetg gatteacett tagcagetat gccatgaget gggteegeea ggeteeaggg 180
24
         aaggggetgg agtgggtete agetattagt ggtagtggtg gtagéacata etacgeagae 240
25
         tccgtgaagg gccggttcac catctccaga gacaattcca agaacacgct gtatctgcaa 300
26
         atgaacagcc tgagagccga ggacacggcc gtatattact gtgcgaaagc ccctcctaac 360
27
         tggggategt ttgactactg gggccaggga accetggtca cegteteete agggagtgca 420
28
         tecgececaa ceetttteee eetegtetee tgtgagaatt ee
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31 <211> LENGTH: 648
32 <212> TYPE: DNA
33 <213> ORGANISM: Homo sapiens
34 <400> SEQUENCE: 2
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         ateteetgea ggtetagtea aageetegta tacagtgatg gaaacaceta ettgaattgg 120
37
         tttcagcaga ggccaggcca atctccaagg cgcctaattt ataaggtttc taactgggac 180
38
         tetggggtee cagacagatt cageggeagt gggteaggea etgattteae aetgaaaate 240
39
         agcagggtgg aggctgagga tgttggggtt tattactgca tgcaaggtac acactggcct 300
40
         cggacgttcg gccaagggac caaggtggaa atcaaacgaa ctgtggctgc accatctgtc 360
41
         ttcatcttcc cgccatctga tgagcagttg aaatctggaa ctgcctctgt tgtgtgcctg 420
42
         ctgaataact tctatcccag agaggccaaa gtacagtgga aggtggataa cgccctccaa 480
43
         tegggtaact cecaggagag tgtcacagag caggacagca aggacagcac ctacagcete 540
44
         agcagcaccc tgacgctgag caaagcagac tacgagaaac acaaagtcta cgcctgcgaa 600
45
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Input Set: N:\Crf4\08232004\J714079C.raw Output Set: N:\CRF4\08262004\J714079B.raw

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49 <212> TYPE: DNA
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52
53
         caactggtgg agtctggggg aggcgtggtc cagcctggga ggtccctgag actctcctgt 120
54
         gcagcgtctg gattcacctt cagtagctat ggcatgcact gggtccgcca ggctccaggc 180
55
         aaggggetgg agtgggtgge agttatatgg tatgatggaa gtaataaata ctatgeagae 240
56
         tccgtgaagg gccgattcac catctccaga gacaattcca agaacacgct gtatctgcaa 300
57
         atgaacagcc tgagagccga ggacacggct gtgtattact gtgcgagaga tcgggagtgg 360
58
         ctgaggtact actactacgg tatggacgtc tggggccaag ggaccacggt caccgtctcc 420
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62 <211> LENGTH: 632
63 <212> TYPE: DNA
64 <213> ORGANISM: Homo sapiens
65 <400> SEQUENCE: 4
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67
         tcacttgtcg ggcgagtcag ggtattagca gctggttagc ctggtatcag cagaaaccag 120
68
         ggaaagcccc taagctcctg atctatgttg catcccgttt gcaaagtggg gtcccatcaa 180
         ggttcagcgg cagtggatct gggacagatt tcactctcac catcagcagc ctgcagcctq 240
69
70
         aagattttgc aacttactat tgtcaacagg ctaacagttt ccctcggacg ttcggccaag 300
         ggaccaaggt ggaaatcaaa cgaactgtgg ctgcaccatc tgtcttcatc ttcccgccat 360
71
72
         ctgatgagca gttgaaatct ggaactgcct ctgttgtgtg cctgctgaat aacttctatc 420
73
         ccagagaggc caaagtacag tggaaggtgg ataacgccct ccaatcgggt aactcccagg 480
74
         agagtgtcac agagcaggac agcaaggaca gcacctacag cctcagcagc accctgacgc 540
75
         tgagcaaagc agactacgag aaacacaaag tctacgcctg cgaagtcacc catcagggcc 600
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79 <211> LENGTH: 468
80 <212> TYPE: DNA
81 <213> ORGANISM: Homo sapiens
82 <400> SEQUENCE: 5
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84
         cagctggtgg agtctggggg aggcttggta aagcctgggg ggtcccttag actctcctgt 120
85
         gcagcctctg gattcacttt cagtaacgcc tggatgagct gggtccgcca ggctccaggg 180
86
         aaggggctgg agtgggttgg ccgtattaaa agcaaaactg atggtgggac aacagactac 240
87
         gctgcacccg tgaaaggcag attcaccatc tcaagagatg attcaaaaaa cacgctgtat 300
88
         ctgcaaatga acagcctgaa aaccgaggac acagccgtgt attactgtac cacaagctgg 360
89
         aactacaggt actactttga ctactggggc cagggaaccc tggtcaccgt ctcctcaggg 420
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                                                                            468
92 <210> SEQ ID NO: 6
93 <211> LENGTH: 633
94 <212> TYPE: DNA
95 <213> ORGANISM: Homo sapiens
96 <400> SEOUENCE: 6
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98
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Input Set: N:\Crf4\08232004\J714079C.raw
Output Set: N:\CRF4\08262004\J714079B.raw

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               aggttcagtg gcagtggatc tgggacagat ttcaccctca ccatcaatag cctggaagct 240
    100
              qaaqatqctq caacqtatta ctgtcatcag agtagtagtt tacctcggac gttcggccaa 300
    101
              gggaccaagg tggaaatcaa acgaactgtg gctgcaccat ctgtcttcat cttcccgcca 360
    102
              tctgatgagc agttgaaatc tggaactgcc tctgttgtgt gcctgctgaa taacttctat 420
    103
              cccaqaqaqq ccaaagtaca gtggaaggtg gataacgccc tccaatcggg taactcccag 480
    104
              gagagtgtca cagagcagga cagcaaggac agcacctaca gcctcagcag caccctgacg 540
    105
              ctgagcaaag cagactacga gaaacacaaa gtctacgcct gcgaagtcac ccatcagggc 600
    106
                                                                                  633
    107
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    109 <210> SEQ ID NO: 7
    110 <211> LENGTH: 471
    111 <212> TYPE: DNA
    112 <213> ORGANISM: Homo sapiens
    113 <400> SEQUENCE: 7
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    114
               cagctggtgg agtctgggg aggcttggta aagcctgggg ggtcccttag actctcctgt 120
    115
    116
              quadcetetq qatteaettt caqtaaeqee tqqatqaget gggteegeea ggeteeaggg 180
               aaggggctgg agtgggttgg ccgtattaaa agcaaaactg atggtgggac aacagactac 240
    117
              gctgcacccg tgaaaggcag attcaccatc tcaagagatg attcaaaaaa cacgctgtat 300
    118
               ctgcaaatga acagcctgaa aaccgaggac acagccgtgt attactgtac gaaacatagt 360
    119
               gggagetaet aeggataett eeageaetgg ggeeagggea eeetggteae egteteetea 420
    120
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    124 <211> LENGTH: 649
    125 <212> TYPE: DNA
    126 <213> ORGANISM: Homo sapiens
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    129 <222> LOCATION: (462)
    130 <223> OTHER INFORMATION: a, t, c, q, other or unknown
    131 <220> FEATURE:
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    133 <222> LOCATION: (495)
    134 <223> OTHER INFORMATION: a, t, c, g, other or unknown
    135 <220> FEATURE:
    136 <221> NAME/KEY: modified_base
    137 <222> LOCATION: (513)
    138 <223> OTHER INFORMATION: a, t, c, g, other or unknown
    139 <400> SEQUENCE: 8
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    141
               tacctgcaga agccagggca gtctccacag ctcctgatct atttgggttc taatcgggcc 180
    142
               tccggggtcc ctgacaggtt cagtggcagt ggatcaggca cagattttac actgaaaatc 240
    143
               aqcaqaqtqq aqqctqaqqa tgttggggtt tattactgca tgcaagctct acaaactcct 300
     144
               cggacgttcg gccaagggac caaggtggaa atcaaacgaa ctgtggctgc accatctgtc 360
     145
               ttcatcttcc cgccatctga tgagcagttg aaatctggaa ctgcctctgt tgtgtgcctg 420
    146
               ctgaataact tctatcccag agaggccaaa gtacagtgga angtggataa cgccctccaa 480
W--> 147
               tegggtaact cecangagag tgtcacagag cangacagca aagacagcac ctacagcete 540
W--> 148
               agcagcaccc tqacqctqaq caaaqcaqac tacgagaaac acaaagtcta cgcctgcgaa 600
     149
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DATE: 08/26/2004 TIME: 14:07:03

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Input Set: N:\Crf4\08232004\J714079C.raw
Output Set: N:\CRF4\08262004\J714079B.raw

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154 <212> TYPE: PRT
155 <213 > ORGANISM: Homo sapiens
156 <400> SEQUENCE: 9
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157
158
           1
160 <210> SEQ ID NO: 10
161 <211> LENGTH: 12
162 <212> TYPE: PRT
163 <213> ORGANISM: Homo sapiens
164 <400> SEOUENCE: 10
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165
166
                            5
          1
168 <210> SEQ ID NO: 11
169 <211> LENGTH: 11
170 <212> TYPE: PRT
171 <213> ORGANISM: Homo sapiens
172 <400> SEQUENCE: 11
173
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174
176 <210> SEQ ID NO: 12
177 <211> LENGTH: 15
178 <212> TYPE: PRT
179 <213> ORGANISM: Homo sapiens
180 <400> SEQUENCE: 12
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182
          1
                            5
                                                10
184 <210> SEQ ID NO: 13
185 <211> LENGTH: 9
186 <212> TYPE: PRT
187 <213> ORGANISM: Homo sapiens
188 <400> SEQUENCE: 13
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190
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193 <211> LENGTH: 7
194 <212> TYPE: PRT
195 <213> ORGANISM: Homo sapiens
196 <400> SEQUENCE: 14
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198
           1
200 <210> SEQ ID NO: 15
201 <211> LENGTH: 7
202 <212> TYPE: PRT
203 <213> ORGANISM: Homo sapiens
204 <400> SEQUENCE: 15
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DATE: 08/26/2004

## RAW SEQUENCE LISTING

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Input Set : N:\Crf4\08232004\J714079C.raw
Output Set: N:\CRF4\08262004\J714079B.raw

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209	<211>	LENGTH: 7
210	<212>	TYPE: PRT
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214		1 5
216	<210>	SEQ ID NO: 17
217	<211>	LENGTH: 7
218	<212>	TYPE: PRT
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220	<400>	SEQUENCE: 17
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222		1 5
224	<210>	SEQ ID NO: 18
225	<211>	LENGTH: 18
226	<212>	TYPE: DNA
227	<213>	ORGANISM: Artificial Sequence
228	<220>	FEATURE:
229	<223>	OTHER INFORMATION: Description of Artificial Sequence: Synthetic primer
230	<400>	SEQUENCE: 18
231		gagtttgggc tgagctgg 18
233	<210>	SEQ ID NO: 19
234	<211>	LENGTH: 21
235	<212>	TYPE: DNA
236	<213>	ORGANISM: Artificial Sequence
237	<220>	FEATURE:
238	<223>	OTHER INFORMATION: Description of Artificial Sequence: Synthetic primer
239	<400>	SEQUENCE: 19
240		ggaattetea caggagacga g 21
- 242	<210>	SEQ ID NO: 20
243	<211>	LENGTH: 24
244	<212>	TYPE: DNA
245	<213>	ORGANISM: Artificial Sequence
		FEATURE:
247	<223>	OTHER INFORMATION: Description of Artificial Sequence: Synthetic primer
248	<400>	SEQUENCE: 20
249		gahatygagc tcacbcagtc tcca 24
251	<210>	SEQ ID NO: 21
252	<211>	LENGTH: 21
253	<212>	TYPE: DNA
254	<213>	ORGANISM: Artificial Sequence
		FEATURE:
256	<223>	OTHER INFORMATION: Description of Artificial Sequence: Synthetic primer
257	<400>	SEQUENCE: 21
258		cctgttgaag ctctttgtga c 21

RAW SEQUENCE LISTING ERROR SUMMARY PATENT APPLICATION: US/10/714,079B

DATE: 08/26/2004 TIME: 14:07:04

Input Set : N:\Crf4\08232004\J714079C.raw
Output Set: N:\CRF4\08262004\J714079B.raw

## Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seg#:8; N Pos. 462,495,513

VERIFICATION SUMMARY

DATE: 08/26/2004

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TIME: 14:07:04

Input Set : N:\Crf4\08232004\J714079C.raw
Output Set: N:\CRF4\08262004\J714079B.raw

L:147 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:420 L:148 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:480